

1/1 - (C) WPI / DERWENT
AN - 95-400884 c51!
AP - JP940074753 940413
PR - JP940074753 940413
TI - Prepn. of drug entrapped liposome for treating cancers
- comprises dissolving lipid in poly-alcohol, adding
aq. carrier soln. contg. active drug and extrusion
treating.
IW - PREPARATION DRUG ENTRAP LIPOSOME TREAT CANCER COMPRISE
DISSOLVE LIPID POLY ALCOHOL ADD AQUEOUS CARRY SOLUTION
CONTAIN ACTIVE DRUG EXTRUDE TREAT
PA - (POKK) POLA CHEM IND INC
PN - JP7277956 A 951024 DW9551 A61K9/127 005pp
ORD - 1995-10-24
IC - A61K9/127 ; A61K38/00 ; B01J13/02
FS - CPI
DC - B07
AB - J07277956 Prepn. of drug entrapped liposome comprises
dissolving lipid in polyalcohol, adding aq. carrier
soln. contg. active drug and extrusion treatment.
- Pref. a drug which is inactivated with heat, esp.
Neocarzinostatin, is used for the prepn.
- Example - The liposome prepn. comprises 2.5 wt.%
soybean lecithin, 1 wt.% cholesterol, 7 wt.
propylene-glycol, 7 wt.% glycerin, 82.5 wt.% phosphate
buffered saline soln. (PBS) and 5455 units 1 ml PBS.
With the soln. extrusion method, the liposome prepn.
contained 1380 units/ml of neocarzinostatin, as
compared to 420 units/ml with conventional ultrasound
dispersion method.
- ADVANTAGE - The liposome prepn. has an homogenous grain
size and is prepd. without inactivation of bioactive
component.
- Material - The polyalcohol is pref-ethyleneglycol,
propylene-glycol, or glycerine etc. The drug is an
anticancer drug e.g. neocarzinostatin, adriamycin,
bleomycin, actinomycin, mitomycin, ftorafur, tegafur,
vinblastine, nitrogen mustard or
cyclophosphamide. (Dwg. 0/1)